

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,116,412 B2  
APPLICATION NO. : 10/743725  
DATED : October 3, 2006  
INVENTOR(S) : Koichi Takahashi

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 7, line 66, Change "symbol 11 a shows" to --symbol 11a shows--;

Column 17, line 50, No new paragraph here. Do not indent;

Column 21, lines 9-10, Reduce font size of table headings "Surface number Radius of curvature Spacing Index of refraction Abbe's number" to that used in body of the table;

Column 21, lines 9-13, Close space between table headings "Surface number Radius of curvature Spacing Index of refractin Abbe's number" and top of table;

Column 21, lines 9-13, Align headings "Surface number Radius of curvature Spacing Index of refraction Abbe's number" with respective columns;

Column 21, line 14, Move " $\infty$ " right to align it with the other numbers/symbols on right side of equations;

Column 21, line 22, Move " $\infty$ " right to align it with the other numbers/symbols on right side of equations;

Column 22, line 40, Change "wherein as first length" to --wherein a first length--;

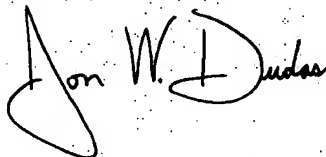
Column 22, line 53, Change "luminous flexes" to --luminous fluxes--;

Column 22, lines 59-60, Change "to claim 4" to --to claim 5-- and

Column 22, lines 63-64, Change "to claim 4" to --to claim 5--.

Signed and Sealed this

First Day of May, 2007



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*